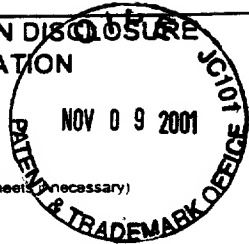


**INFORMATION DISCLOSURE
CITATION**



(Use several sheets if necessary)

ATTY DOCKET NO.

SERIAL NO.

1585-280

09/659,377

APPLICANT

Johansson et al.

FILING DATE

GROUP

September 7, 2000

3651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,344,855	10/1967	Clark			
	3,809,609	5/1974	Krawiec et al.			
	3,886,038	5/1975	Raven			
	4,039,379	8/1977	Patterson et al.			
	4,544,522	10/1985	Curulla et al.			
	4,666,663	5/1987	Steinke			
	4,692,302	9/1987	DeMano et al.			
	4,698,204	10/1987	Taleyarkham			
	4,705,663	11/1987	Steven et al.			
	4,725,403	2/1988	Buettiker			
	4,726,926	2/1988	Patterson et al.			
	4,728,490	3/1988	Taleyarkhan			
	4,758,403	7/1988	Noailly			
	4,804,516	2/1989	Thomazet et al.			
	4,844,860	7/1989	Hatfield			
	4,879,090	11/1989	Perrotti et al.			
	4,970,048	11/1990	Noailly			
	4,999,153	3/1991	Johansson et al.			
	5,024,810	6/1991	Bachman			
	5,080,858	1/1992	Nylund			
	5,089,221	2/1992	Jonansson et al.			

RECEIVED

NOV 14 2001

GROUP 3600

FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 237 064 B1	3/1991	EPO			
0 428 092 A1	5/1991	EPO			
0 428 093 A1	5/1991	EPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

English language abstract of Japanese 1-138493 (A).

*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Atty. Docket No. 1585-280	Serial No. 09/659,377
	Applicant Johansson et al.	
	Filing Date September 7, 2000	Group 3651



U.S. PATENT DOCUMENTS

*Examiner Initials		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
	1.	5,112,571	05/12/92	Orli et al.	376	439	
	2.	4,827,063	05/02/89	Bökers et al.	376	439	
	3.	5,068,082	11/26/91	Ueda et al.	376	428	
	4.	4,968,479	11/06/90	Ogiya et al.	376	428	
	5.	3,070,537	12/25/62	M. Treshow	204	1932	
	6.	3,132,998	05/12/64	Long et al.	176	43	
	7.	3,310,474	03/21/67	Saunders	176	76	
	8.	3,420,737	01/07/69	Marchal et al.	176	56	
	9.	3,629,065	12/21/71	Knox	176	54	
	10.	3,787,285	01/22/74	Marstrand	176	78	
	11.	5,017,332	05/21/91	Dix et al.	376	370	
	12.	5,091,146	02/25/92	Dix	376	443	
	13.	5,130,082	07/14/92	Oosterkamp	376	371	
	14.	5,164,155	11/17/92	Wolters et al.	376	441	
	15.	5,186,891	02/16/93	Johansson et al.	376	438	
	16.	4,804,516	02/14/89	Thomazet et al.	376	439	
	17.	4,675,154	06/23/87	Nelson et al.	376	444	

RECEIVED

NOV 14 2001

GROUP 3600

FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Sub Class	Translation	
							YES	NO
	1.	1-176986	07/13/89	Japan			X	
	2.	3-51796	07/20/89	Japan			X	
	3.	63-144290	06/16/98	Japan			X	
	4.	0146896A2	12/14/84	European Patent Office			X	
	5.	0260602A2	09/10/87	European Patent Office			X	

6.	0433620A1	10/30/90	European Patent Office	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	
7.	61-212789	09/20/96	Japan	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	
8.	1,105,289	08/23/65	United Kingdom	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	
9.	0336203A2	03/21/89	European Patent Office	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	
10.	DE3645230C2	12/09/86	Germany	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	X	

NOV 09 2001

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initials		
1.	Vollrath, "Siedewasserreaktor mit Wendeln zwischen den Brennstoffstäben", <i>Atomwirtschaft</i> , December 1967, pp. 595-601	
2.	Columbia University, "Parametric Study of CHF Data, Volume 2: A Generalized Subchannel CHF Correlation for PWR and BWR Fuel Assemblies", <i>Electric Power Research Institute</i> , January 1983, NP-2608, Volume 2, Research Project 813, pp. S-4 - S-5; 3-24 - 3-26	
3.	Israel, et al., "Critical Heat Flux Measurements in a 16-Rod Simulation of a BWR Fuel Assembly", <i>Journal of Heat Transfer</i> , August 1969, pp. 355-363	
4.	Marstrand, "On Fuel Assemblies with Deflectors for Steam-Water Separation for Boiling-Water Reactors", <i>Danish Atomic Energy Commission Research Establishment Risø</i> , July, 1971, pp. 6-23, 67	

Examiner:	Date Considered:
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

NOV 09 2001

3651

Year	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																				
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000	9,500,000	9,550,000	9,600,000	9,650,000	9,700,000	9,750,000	9,80

*Examiner		Date Considered	
-----------	--	-----------------	--

Form PTO-FB-A820 (Also PTO-1449)